

ABSTRACT

Disclosed is a two-component, bio-degradable/absorbable adhesive medical material, which has a bonding component comprising a biodegradable polymer, and a hardening 5 component comprising a low-molecular-weight derivative prepared by modifying a carboxyl group in a di- or tri-carboxylic acid of the citric acid cycle, with an electron-attracting group (one or a combination of two or more selected from the group consisting of a succinimidyl group, a sulfosuccinimidyl group, a maleimidyl group, a phthalimidyl group, an imidazolyl group, a nitrophenyl group and a tresyl group, and derivatives thereof). The present invention is 10 intended to meet the need for developing a biological tissue adhesive having strong bonding force and low biological toxicity, in the situation where a conventional hemostatic material, blood-vessel embolizing material, sealant or aneurysm closing material has been liable to peel off from its applied site and has not been able to achieve sufficient hemostatic effect or sealing/closing strength in occluding a blood vessel, stopping bleeding, sealing air-leak or 15 closing an aneurysm.